

REMARKS

Reconsideration of this application as amended is requested. By this amendment Applicants have amended claims 1-4 and 6 for clarity. Claims 1-6 remain in the case.

The Examiner rejected claims 1 and 2 under 35 U.S.C. 102(e) as being anticipated by Doi and claim 3 under 35 U.S.C. 103(a) as being unpatentable over Doi, while objecting to claims 4 and 5 as depending from a rejected base claim and allowing claim 6. Applicants respectfully traverse the Examiner's rejection of claims 1-3.

In contradistinction to Applicants' claimed invention Doi describes a two-stage spectrum analyzer, each stage having a local oscillator whose frequencies are changeable such that the local frequency of a later stage may be changed while suspending the local frequency sweep of an earlier stage, which allows extraction of a carrier component and a noise component in order to determine a measure of carrier to noise (C/N). In the given example Doi allows for the measurement of in-band C/N within a television channel. There is no identification of a signal type as is recited by Applicants.

For clarity Applicants have amended claims 1-4 to recite that what is being identified is "a signal type for an unknown signal." All references to "a signal of interest" have thus been changed to "the unknown signal", as that is the signal of interest. There is no need to determine a signal type if the signal is known. Likewise claim 6 has been amended to make it clear that the signal selected as "a signal of interest" is selected from the modulation signals for which discrimination is

desired. As indicated above Doi does not identify "signal type" as Doi knows what the input signal is. Thus claims 1-3 are deemed to be allowable as being neither anticipated nor rendered obvious to one of ordinary skill in the art by Doi.


In view of the foregoing amendment and remarks allowance of claims 1-5 is urged, and such action and the issuance of this case together with allowed claim 6 are requested.

Respectfully submitted,

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